

a song selector for determining from the song selections a selected digitized song to be played on the computer jukebox;

at least one audio speaker;

a processor operative to retrieve digitized song data corresponding to the selected digitized song, and operative to store the digitized song data and the song identity data received by the at least one communication interface in the memory; and

a digital to analog converter coupled between the processor and the audio speaker to convert the digitized song data to an analog signal for the audio speaker.

28. A computer jukebox according to claim 27, wherein the memory stores the digitized song data in a digitized song library and stores the song identity data in a song catalog.

29. A computer jukebox according to claim 27, wherein the display presents the song selections as determined according to at least two of song genre, song artist and song title associated with each digitized song.

30. A computer jukebox according to claim 27, wherein the display presents the song selections with associated graphics identified by the graphics address, the song selections arranged alphabetically according to at least one of a song artist and the song title associated with each digitized song.

31. A computer jukebox according to claim 28, wherein the processor is responsive to the song selector for scrolling the song selections on the display.

32. A computer jukebox according to claim 30, wherein the processor is operable to display a user attract mode that shows graphics identified by the graphics address when no digitized song is playing.

7  
33. A computer jukebox according to claim 27, wherein the processor is further operative to create at least one play count for a digitized song and to create associated money intake data for the digitized song.

8 7  
34. A computer jukebox according to claim 33, wherein the processor is further operative to transfer the associated money intake data and the play count through the at least one communication interface to a remote location for accounting.

9  
35. A central management system for distributing digitized songs to a computer jukebox, the central management system comprising:

✓ at least one communication interface for transmitting digitized song data and for transmitting an associated song record, the song record including song identity data comprising at least one of a song title, a song category, song address, song size, graphics address, graphics size, and play count;

✓ a memory storing digitized song data and song identity data; and  
a processor operative to retrieve selected digitized song data and transmit the selected digitized song data to a computer jukebox through the at least one communication interface, the processor further operative to retrieve song identity data associated with the selected digitized song data, build an associated song record using the song identity data, and transmit the associated song record to the computer jukebox through the at least one communication interface.

10 9  
36. The central management system of claim 35, wherein the memory stores digitized song data in a digitized song library and stores the song identity data in a song catalog.

11 9  
37. The central management system of claim 35, wherein the song identity data includes the graphics address identifying a graphic associated with a digitized song, and wherein the processor is further operative to transmit the digitized graphic over the at least one communication interface to the computer jukebox.

12

10

38. The central management system of claim 36, wherein the processor is further operative to receive from a computer jukebox and store a digitized song play count and associated money intake data for the digitized song.

13

12

39. The central management system of claim 38, wherein the processor is further operative to determine royalties based on the associated money intake data.

14

10

40. The central management system of claim 36, wherein the processor is further operative to receive from the computer jukebox and store a digitized song play count, determine whether to replace a digitized song associated with the digitized song play count in the computer jukebox, and transmit replacement digitized song data and a replacement song record to the computer jukebox.

15

41. A computer jukebox network, comprising:  
a central management system for distributing digitized songs stored in a digitized song library to a computer jukebox, the central management system comprising:

at least one system communication interface for transmitting digitized song data and for transmitting an associated song record, the song record including song identity data comprising at least one of a song title, a song category, song address, song size, graphics address, graphics size, and play count;

a system memory storing digitized song data and song identity data; and

a system processor operative to retrieve selected digitized song data and transmit the selected digitized song data to a computer jukebox through the at least one communication interface, the processor further operative to retrieve song identity data associated with the selected digitized song data, build an associated song record

using the song identity data, and transmit the associated song record to the computer jukebox through the at least one communication interface; and

a plurality of computer jukeboxes for playing songs stored in a memory in the computer jukebox, at least one computer jukebox comprising:

at least one jukebox communication interface for receiving digitized song data and for receiving an associated song record, the song record including song identity data comprising at least one of a song title, a song category, song address, song size, graphics address, graphics size, and play count;

a jukebox memory storing the digitized song data and the song identity data;

✓ a display presenting song selections based on the song identity data;

a song selector for determining from the song selections a selected digitized song to be played on the computer jukebox;

at least one audio speaker;

✓ a processor operative to retrieve digitized song data corresponding to the selected digitized song, and operative to store the digitized song data and the song identity data received by the at least one communication interface in the memory; and

a digital to analog converter coupled between the processor and the audio speaker to convert the digitized song data to an analog signal for the audio speaker.

<sup>16</sup>  
42. The computer jukebox network of claim <sup>15</sup>41, wherein the system processor is further operative to receive from the computer jukebox and store a digitized song play count, determine whether to replace a digitized song associated with the digitized song play count in the computer jukebox, and transmit replacement digitized song data and a replacement song record to the computer jukebox.

17  
43. The computer jukebox network of claim 41<sup>15</sup>, wherein the jukebox processor is further operative to create at least one play count for a digitized song and to create associated money intake data for the digitized song.

18  
44. The computer jukebox network of claim 43<sup>17</sup>, wherein the jukebox processor is further operative to transfer the associated money intake data and the play count through the at least one jukebox communication interface to a remote location for accounting.

19  
45. The computer jukebox network of claim 41<sup>15</sup>, wherein the processor is further operative to receive from a computer jukebox and store a digitized song play count and associated money intake data.

20  
46. The computer jukebox network of claim 45<sup>19</sup>, wherein the processor is further operative to determine royalties based on the associated money intake data.

21  
47. The computer jukebox network of claim 41<sup>15</sup>, wherein the display presents the song selections with associated graphics identified by the graphics address, the song selections arranged alphabetically according to at least one of a song artist and the song title associated with each digitized song.

22  
48. A method for receiving and playing songs using a computer jukebox, the method comprising:

receiving at the computer jukebox digitized song data and an associated song record, the song record including song identity data comprising at least one of a song title, a song category, song address, song size, graphics address, graphics size, and play count;

storing the digitized song data and the song identity data in a memory in the computer jukebox;

presenting song selections based on the song identity data on a display;

0050295100

determining from the song selections a selected digitized song to be played on the computer jukebox based on input from a song selector;  
retrieving digitized song data corresponding to the selected digitized song;  
converting the digitized song data to an analog signal; and  
applying the analog signal to an audio speaker.

23 22  
49. The method of claim 48, wherein the step of storing further comprises storing the digitized song data in a digitized song library and storing the song identity data in a song catalog.

50. A computer jukebox according to claim 48, wherein the step of presenting further comprises presenting the song selections as determined according to at least two of song genre, song artist and song title associated with each digitized song.

25 22  
51. The method of claim 48, wherein the step of presenting further comprises presenting the song selections with associated graphics identified by the graphics address, the song selections arranged alphabetically according to at least one of a song artist and the song title associated with each digitized song.


26 22  
52. The method of claim 48, further comprising the step of creating at least one play count for a digitized song and creating associated money intake data for the digitized song.

27  
53.

22  
48,

The method of claim 48, further comprising the step of replacing a digitized song in the computer jukebox based on the digitized song play count by receiving and storing in the memory the replacement digitized song data and a replacement song record.—

Respectfully submitted,

  
John F. Nethery  
Registration No. 42,928

Date: February 11, 2000

McAndrews, Held & Malloy, Ltd.  
34th Floor  
500 West Madison Street  
Chicago, IL 60661  
Telephone: (312) 707-8889

005035 04400